

## Chemical Society Annual Report to the EuCheMS Division of Chemical Education for 2018-2019<sup>1</sup>

### 1. Abstract

Croatian Chemical Society was founded in 1926 and today consists of five branches: Zagreb (central branch), Osijek, Rijeka, Split and Pula. The activities of Croatian Chemical Society are organized through several networks:

*Section of Nomenclature and Terminology of Organic Chemistry* (which is a joint body of two chemical associations – *Croatian Chemical Society* and *Croatian Society of Chemical Engineers and Technologists*),

*Section of Chemical Education*,

*Section of Organic Chemistry*,

*Section of Theoretical and Computational Chemistry*,

*Student Section*,

*Medicinal and Pharmaceutical Chemistry Section* and

*Section of Analytical Chemistry and Spectroscopy*.

The activities of Croatian Chemical Society in the period July 2017 – July 2018 were abundant but following may cover them in general:

- publication of the international scientific journal *Croatica Chemica Acta*;
- participation in organization of chemistry competitions for primary, lower secondary and upper secondary school students at three levels: the school level, the county level and the national level;
- preparation of secondary school students for participation in *International Chemistry Olympiad* (IChO), *European Union Science Olympiad* (EUSO); *International Junior Science Olympiad* (IJSO) and *International Mendeleev Chemistry Olympiad* (IMChO)
- promotion of chemistry among general public, secondary school students and younger population (up to kindergarten age) supporting organization of various chemistry shows, scientific events and other popularisation activities.

<sup>1</sup>July 2018- June 2019, all levels of chemistry education: primary, secondary schools, universities, LLL, general and vocational education.

## 2. National educational policy

During last few years a general reform of Croatian educational system is underway. Correspondingly, in January 2019 a new curricula for chemistry education in primary schools and gymnasia was declared. The implications of this change are yet to be seen.

## 3. Events in chemical education

No specific event besides regular activities of Section of Chemical Education.

## 4. Activities of the National Chemical Society

In April of 2019 the 26<sup>th</sup> *Croatian Meeting of Chemists and Chemical Engineers* was held in Šibenik, Croatia. Despite a pronounced national prefix, event has a fair international character. In paralel 4<sup>th</sup> "Vladimir Prelog" Symposium was held that is dedicated to organica chemistry in honour of prof. Prelog.

Student Section organised 5<sup>th</sup> *Symposium of Student Chemists* which has international character. These symposia gathers chemistry and related sciences students to present their research and networking.

## 5. Publications

*Croatian Chemical Society* publishes scientific journal *Croatica Chemica Acta* (CCA) continuously since 1927. The journal is referred in scientific databases *Current Contents* and *Science Citation Index*. Primarily, the journal covers topics from pure chemistry research that are not related to the field of chemical education. But, publishing activities also cover topics related to Croatian Chemical Nomenclature and Terminology in agreement to IUPAC standards and the results of this activity influence, and are partly disseminated, by Society's Section on Chemical Education.

## 6. Liaison with the chemical industry

No specific events.

## 7. International and European initiatives

Croatian Chemical Society is a member society of IUPAC, EuChemS and EFMC with national representatives (**nr**), titular members (**tm**), associate members (**am**) and members (**m**) in following divisions and committees:

### **International Union of Pure and Applied Chemistry (since 1993)**

Physical and Biophysical Chemistry Division (**nr**)

Inorganic Chemistry Division (**nr**)

Chemistry and Human Health Division (**nr**)

Analytical Chemistry Division (**nr**)  
CHEMRAWN Committee (**nr**)  
Committee on Printed and Electronic Publications (**tm**)  
Chemistry and the Environment Division (**am**)  
Organic and Biomolecular Division (**m**)  
Chemical Nomenclature and Structure Representation Division (**nr**)

**European Chemical Society (since 1994)**

Division of Chemical Education (**nr**)  
Division of Organic Chemistry (**nr**)  
Division of Analytical Chemistry (**nr**)  
Division of Food Chemistry (**nr**)

**European Federation for Medicinal Chemistry (since 2010)**

Adhering organisation with one delegate in EFMC Council.

**8. Other events and activities**

Popularisation and educational activities of projects *E-school of Chemistry* (aimed on primary and secondary students and their chemistry teachers) and *Scientific Magic* (aimed at kindergarten level) were conducted regularly.

Support was given to the manifestation *12<sup>th</sup> Department of Chemistry: Open Day* that is regularly held at the Department of Chemistry, Faculty of Science University of Zagreb since 2007. This manifestation is devoted to general public and potential chemistry students and usually has 6000 to 7000 thousand visitors (<http://www.pmf.unizg.hr/chem/enpopular>).

Support was given to the performance act *Chemistry Magic* that is regularly held at the Department of Chemistry Faculty of Science University of Zagreb for primary school children (age 7 to 11) since 2007. So far, 25 performances were held and were attended by close to 4000 kids ([http://www.pmf.unizg.hr/chem/carolije\\_u\\_kemiji](http://www.pmf.unizg.hr/chem/carolije_u_kemiji)).

Every year the Medicinal and Pharmaceutical Chemistry Section of the Croatian Chemical Society organizes two scientific meetings of which one is targeted to young medicinal chemists.

All sections of Croatian Chemical Society annually organize various seminars and lectures based on interest and popular scientific topics.

The Society strongly supports dissemination of mayor scientific achievements and creates an opportunities for exchanges knowledge and ideas and, when possible, provides funding for young postgraduate students.

**9. Name of delegate and deputy**

dr. sc. Nenad Judaš, Associate Professor

**10. Contact details of delegates.**

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